

Ki-Tae Eom

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

181
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1307366

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all docs

17
docs citations

17
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Vacancy Linear Clustering in a Perovskite Oxide. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3500-3505.	2.1	48
2	Cooperative evolution of polar distortion and nonpolar rotation of oxygen octahedra in oxide heterostructures. <i>Science Advances</i> , 2021, 7, .	4.7	20
3	Low-voltage magnetoelectric coupling in membrane heterostructures. <i>Science Advances</i> , 2021, 7, eabh2294.	4.7	18
4	In-plane quasi-single-domain BaTiO ₃ via interfacial symmetry engineering. <i>Nature Communications</i> , 2021, 12, 6784.	5.8	16
5	Electronically reconfigurable complex oxide heterostructure freestanding membranes. <i>Science Advances</i> , 2021, 7, .	4.7	15
6	Engineered spin-orbit interactions in LaAlO ₃ /SrTiO ₃ -based 1D serpentine electron waveguides. <i>Science Advances</i> , 2020, 6, .	4.7	10
7	One-dimensional Kronig-Penney superlattices at the LaAlO ₃ /SrTiO ₃ interface. <i>Nature Physics</i> , 2021, 17, 782-787.	6.5	9
8	Hot Electron Tunneling in Pt/LaAlO ₃ /SrTiO ₃ Heterostructures for Enhanced Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47208-47217.	4.0	8
9	Oxide Two-Dimensional Electron Gas with High Mobility at Room-Temperature. <i>Advanced Science</i> , 2022, 9, e2105652.	5.6	7
10	Electron Lattice Coupling in Correlated Materials of Low Electron Occupancy. <i>Nano Letters</i> , 2017, 17, 5458-5463.	4.5	6
11	Gate-Tunable Optical Nonlinearities and Extinction in Graphene/LaAlO ₃ /SrTiO ₃ Nanostructures. <i>Nano Letters</i> , 2020, 20, 6966-6973.	4.5	6
12	Variance-aware weight quantization of multi-level resistive switching devices based on Pt/LaAlO ₃ /SrTiO ₃ heterostructures. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
13	Nanoscale control of LaAlO ₃ /SrTiO ₃ metal-insulator transition using ultra-low-voltage electron-beam lithography. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	5
14	Strong Interfacial Charge Trapping in Ultrathin SrRuO ₃ on SrTiO ₃ Probed by Noise Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5618-5625.	2.1	4
15	Effect of Laser Fluence on Electrical Properties of (Sr _{0.75} La _{0.25})TiO ₃ Thin Films Grown by Pulsed-Laser-Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8762-8765.	0.9	1
16	Gate-tunable optical extinction of graphene nanoribbon nanoclusters. <i>APL Materials</i> , 2021, 9, 071101.	2.2	1